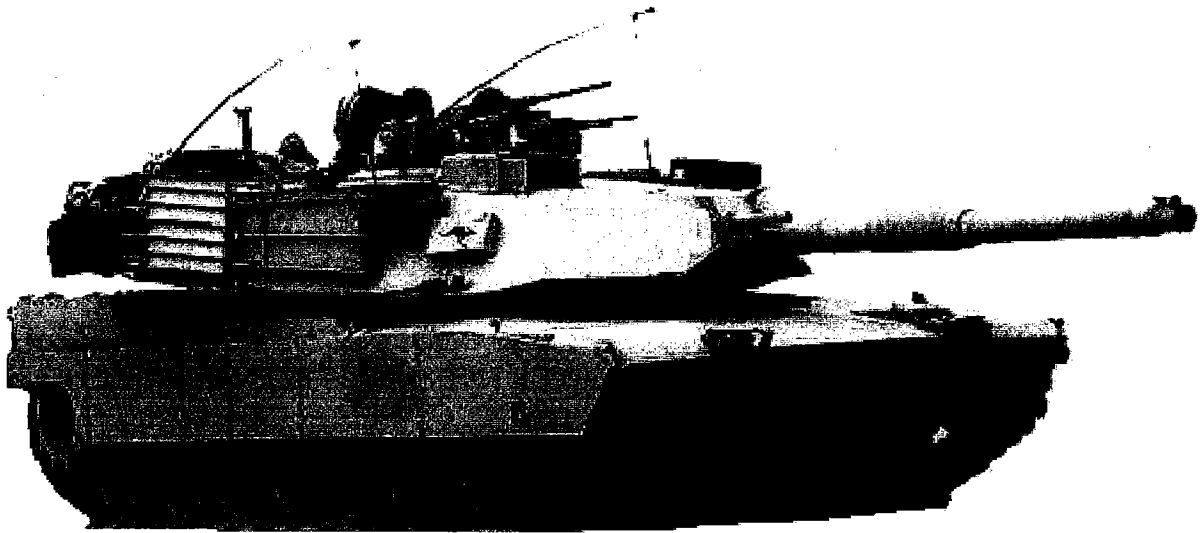


Project Land 907
FMS Case AT-B-ZZH

DEPROCESSING & FIELDING AGREEMENT



Name	Appointment	Signature
LTCOL Mike Flanagan	PM Abrams	
LTCOL Andrew Libby	Program Manager - Tank	
LTCOL Jason Thomas	CO School of Armour	
LTCOL John MacKenzie	CO 1 Armd Regt	
Greg Pasikowski	Chief - Australian Management Office	
CAPT Greg Reardon	Introduction into Service Manager	

Deprocessing and Fielding Guide for Total Package Fielding for the M1A1 AIM Abrams Main Battle Tanks and M88A2 HERCULES Recovery Vehicle

References:

- a. FMS CASE: AT-B-ZZH / Land 907 Tank Replacement Project, 9 March 2004
- b. Land 907 Tank Replacement Project Site Survey Instruction File: 907-91-04-02-01
- c. Materiel Fielding Plan for the Abrams Family of Vehicles, October 1999.
- d. AR 700-142, Materiel Release, Fielding & Transfer.
- e. DA Pam 700-142, Instructions for Materiel Release, Fielding & Transfer.
- f. AR 750-1, Army Materiel Maintenance Policies.

GENERAL.

1. The purpose of this Deprocessing & Fielding Guide is to establish mutual agreement, schedules, procedures, and responsibilities for the fielding of the M1A1AIM (SA) Abrams Main Battle Tank (MBT) and the M88A2 HERCULES Recovery Vehicle to the Australian Army.
2. This Deprocessing and Fielding Guide is written to ensure maximum cooperation in support of the fielding, identify responsibilities and establish processes to be used during Deprocessing and Fielding of the vehicles. It is a written agreement between Australia and the USG Materiel Fielding Team – Australia (MFT-AUS and provides for flexibility and agreement between the parties before and during this activity.
3. The Australian Army is to be equipped with Qty 59 M1A1AIM (SA) Abrams MBT, and Qty 7 M88A2 HERCULES Recovery vehicles. The fielding is to be conducted under modified US Army Total Package Fielding (TPF) guidelines established IAW AR 700-142 and DA Pam 700-142. Using this method, a consolidated package of materiel is to be issued to the units in scheduled phases. The tanks, repair parts, and additional items which make up the TPF component packages are to be shipped to Melbourne, Darwin and Joint Logistics Unit-Victoria, Bandiana, and then integrated into the Australian Defence Force Logistics System. The logistics system will push the TPF packages to the Units prior to the issue of the vehicles.

PM Heavy Brigade Combat Team (PM HBCT)

4. PM HBCT is responsible to:

a. Provide a Materiel Fielding Team-Australia (MFT-AUS) to supervise the deprocessing and fielding operation. Single Points of Contact (POCs) are to be utilized by the MFT-AUS and the Australian Representatives to ensure effective coordination and support of this operation. Functions of the MFT-AUS include:

(1) The Site Manager of the MFT-AUS is the United States Government PM HBCT representative on-site and is to provide the necessary interface between Australian Representatives and PM HBCT. The Site Manager is to coordinate and administer all activities related to the receipt, deprocessing and hand-off of equipment.

(2) Provide Field Service Support personnel that overlap into the Deprocessing Phase of the tank issue.

(3) The MFT-AUS is to provide technical expertise to the gaining unit/installation. The MFT-AUS will schedule and coordinate the deprocessing, inspection, and issue of vehicles in accordance with hand-off schedules. See ANNEX A Fielding Schedule. Vehicle deprocessing takes place in many steps See ANNEX B Vehicle Fielding Methodology and ANNEX C Issue Process

(4) Accept, on a temporary basis, the Common Tools, Special Tools and Test Equipment and Expendable Items to be used for deprocessing and subsequent fielding support. This will also include the Spare Parts required during the fielding process and the long term loan of one DSESTS.

(5). Comply with security arrangements at each deprocessing location.

Australian Defence Force (ADF)

5. The ADF is responsible to:

a. Provide an Australian Team Leader and personnel support for vehicle deprocessing, repair and other fielding actions. The control element (MFT-AUS Site Manager and Australian Team Leader) are coordinate the workload and supervise the use of these personnel. See ANNEX D for a listing of all personnel requirements

b. Provide Army Oil Analysis Program (AOAP) processing support to the MFT-AUS as needed, to include bottles, hoses, pumps, and corresponding Australian Maintenance Forms. During deprocessing every vehicle will have an AOAP sample drawn for engine, transmission and hydraulic fluid.

c. Provide secure sites at Fielding Locations, where the MFT-AUS can park tanks in preparation of issuing those tanks. Provide security for the M1A1 SA from installation arrival until their hand-off. Further information is available from Reference A. The installation should also initiate required actions to respond to special armor security violations, should they occur, IAW the Australian Security Classification Guide (SCG) and other Australian Army reporting requirements. These sites will be located at the following locations:

- (1). Site A Puckapunyal
- (2) Site B Darwin

d. Provide office space for the MFT-AUS in the immediate vicinity of the deprocessing sites. Area required for supply storage area. See ANNEX E Deprocessing Facilities Requirements

e. Provide specific maintenance support resources and assistance during the deprocessing and issue phase of this operation. See ANNEX E Deprocessing Facilities Requirements

f. Provide packaged petroleum, oil, and lubricant (POL) and bulk products. ANNEX X contains details of POL support requirements. See ANNEX F POL and Consumable Products

g. Have available for use by the MFT Common Tools for each mechanic and all Special Tools and Test Equipment, to include DSESTS, as stipulated in TM 9-2350-264 Series. Annex G Deprocessing Tool requirements, identifies the STTE and hand tools required at start of deprocessing by the MFT

h. Provide Expendable Items as stipulated in Technical Manual (TM 9-2350-264 Series). Annex H Deprocessing Expendable Items

i. Provide PM HBCT with the personnel documentation requirements for security and access to those areas to conduct deprocessing and fielding support.

j. Provide all the COEI, BII, AAL and other items to the Deprocessing Team in time for the items to be installed during deprocessing, including:

- FBCB2 (BFT) components
- Communications equipment (radios, antenna, DAGR)
- Personal Weapon Stowage Brackets
- Crew Fans
- Refrigerator and mounting brackets
- Extended Bustle Rack
- DVE

- k. Provide spare parts support as identified during deprocessing using existing Australian Defence Force forms and procedures.
- l. Provide all ADF documentation necessary to complete deprocessing and hand-off to the Unit.
- m. Provide suitable service accommodation, including meals, rental cars and ADF vehicles suitable for use in the field environment in both Puckapunyal and Darwin. The two longer term FSR to be provided with Defence housing, with suitable furniture, in both Puckapunyal and Darwin.

Australian Management Office (AMO), Detroit

6. The AMO is responsible to:

a. establish contracts with the OEM's, thru PM HBCT, for the FSR fielding team personnel detailed in Annex D. This Fielding team will also include the two Field Service representatives (GDLS & BAE) who will be contracted to support the vehicles for a period of time after the vehicles have been deprocessed and fielded. During Deprocessing these personnel will be tasked and directed by the Fielding Team Site Manager. These personnel are to remain in-country after Deprocessing is complete and continue to provide support for the duration of the contracted period. PM - Tank Program will provide the future tasking and direction for these personnel after the MFT-AUS leaves Australia.

b. provide a Fund Cite for the costs of the PM HBCT Materiel fielding Team personnel.

7. Safety. The safety implications of deprocessing and initial training with combat vehicles cannot be overstated. All parties are to comply with the safety procedures established in TM 9-2350-264 Series and any additional Australian Defence Force requirements

8. Unloading. The unloading of the vehicles at the Ports will require support from the Deprocessing & Fielding team personnel. Australia is to provide the vehicle drivers and supporting tools/equipment and the MFT-AUS is to provide:

- a. MFT Site manager
- b. GDLS FSR
- c. 1 x Deprocessor
- d. Australian Deprocessing support personnel

9. Implementation. This guide is to become effective upon the signature of all parties and is to remain in effect throughout the fielding effort, unless amended or terminated sooner, by mutual consent. Questions concerning the Deprocessing and Fielding Guide can be addressed to Mr. Mike Athey, DSN 738-7731, Commercial (254) 288-7731 or email mike.athey@hood.army.mil. or AMO Australian FMS Coordinator at PM HBCT, Mr. Greg Pasikowski Commercial 586-795-2051, greg.pasikowski@us.army.mil

Annexes:

- A. Fielding Schedule
- B. Vehicle Fielding Methodology
- C. Equipment Issue Process
- D. Deprocessing Personnel Requirements
- E. Deprocessing Facilities Requirements
- F. POL and Consumable Products
- G. Deprocessing Tool Requirements
- H. Deprocessing Personnel Matrix
- I. Vehicle Checklist prior to Unloading

FIELDING SCHEDULE**1st Shipment to Melbourne (School of Armour, Puckapunyal)**

1 st hand-off	2 nd hand-off	3 rd hand-off
ALTC	JLU-V	SOArmd
M1A1 x 6	2 x M1A1	M1A1 x 10
M88A2 x 3	1 x M88A2	M88A2 x 1

2nd Shipment to Darwin (1 Armd Regt, Robertson Barracks)

1 st hand-off	2 nd hand-off	3 rd hand-off	4 th hand-off
Sqn	RHQ	Sqn	Sqn
M1A1 x 13	M1A1 x 2	M1A1 x 13	M1A1 x 13
M88A2 x 1		M88A2 x 1	

VEHICLE FIELDING METHODOLOGY

1. M1A1AIM (SA) MBT's being fielded to the Australian Army will be issued to the unit IAW TM 9-2350-264-10 Section 2 (Preventative Maintenance Checks and Services) 10/20 Standards. The Chief, MFT and/or his designated representative, in consultation with the Australian Team Leader, will make the final decision as to whether an item meets a specific technical standard.
2. Deprocessing will include all actions necessary to prepare a vehicle for normal operations. Normally this occurs during a number of sequenced steps:
 - a. The MFT-AUS will assist and support the off-loading of vehicles at the port/railhead, upon arrival, and at the deprocessing facility. This will include a security inspection.
 - b. After vehicles are moved to the deprocessing site, perform pre-operations PMCS, ensure the fuel tanks have a minimum of 200 gallons of fuel, remove tape and packaging material from components, apertures, intakes and install over-packed items i.e., machine gun mounts, vision blocks etc .
 - c. Technical Inspections are performed by the MFT-AUS to determine all faults on each vehicle. This detailed inspection includes complete interior and exterior TM 10/20 level PMCS. A visual inspection of the on board fire suppression system will be performed, followed by a five (5) mile road test. A firing circuit test will be performed. As apart of deprocessing, oil samples will taken for hydraulics, engine and transmission oil, and submitted to the Australian AOAP. This will require a prompt turnaround time from the Australian AOAP Program. In addition, Australia also requires that the FBCB2 and ITT FSR conduct full function tests and certify the Radio's and FBCB2 systems as Fully Functional, on each vehicle, at Deprocessing.
 - d. The Correction of Deficiencies (COD) phase is performed by the deprocessing element. All faults are corrected to the TM 10/20 PMCS standard.
 - e. A final Quality Assurance Inspection is performed by the MFT-AUS in order to confirm that the vehicles meet the TM 10/20 PMCS standards and/or corrective actions have been completed on all deficiencies. This Quality Assurance check is to included operation and testing of the radio's and FBCB2. Technical certification is to be provided in writing by the individual system FSR (ITT & FBCB2). Handoff will be conducted as IAW the Hand Off Schedule. The completed documentation, including the PMCS checklist, GI 41 Inspection Report - Vehicle and a new GM 120, Vehicle Logbook is to be provided to the receiving Unit. The USG documentation prepared during the inspection / handoff process, is to be attached to the GI 41 Technical Inspection Report

f. A shortcoming, defined below, which cannot be corrected due to non-availability of parts, will be deferred and repaired by the gaining unit when the part becomes available. Tanks will not be handed off with deficiencies defined as:

- (1) **Fault:** used to indicate that a piece of equipment has a deficiency or shortcoming.
- (2) **Shortcoming:** a fault that requires maintenance or supply action on a piece of equipment but does NOT render equipment Not Mission Capable
- (3) **Deficiencies** A fault or problem that causes equipment to malfunction. Faults that render the equipment Not Mission Capable

g. Tanks will be issued in Squadron (14 vehicle) sets with the exception as noted in the Hand-off Schedule. The Australian Army will provide at the hand-off site for each tank, corresponding Component of the End Item (COEI), and Basic Issue Items (BII). These are the Australian Complete Equipment Schedules (CES). Additional Australian unique equipment such as Blue Force Tracking (BFT), communication equipment consisting of radios/amplifiers, bustle rack extensions, fans, refrigerators, personal weapon mounts etc will be installed and checked out during deprocessing.

ISSUE PROCESS

1. Hand off Procedures.

a. Vehicles. Vehicles will be handed off in groups or Squadron sets as detailed in the Hand-off Schedule at Annex A.

(1) Documents required to Issue the vehicles to the Units will be in accordance with existing Australian Defence Force processes.

(2) Unit personnel will be required to perform a PMCS with MFT-AUS/ trained Australian personnel assistance, and identify any faults to the MFT-AUS on an Australian GM-153, Repair & Recovery Request (EMEFIX) by close of business on the day of issue. Crew level faults found will be corrected by the crew. All other faults will be corrected by the MFT-AUS. M1A1 MBT and M88A2 will be issued in 10/20 condition. The 10/20 form is to be attached to an Australian GI 41 Inspection Report and the classification is to be entered into the GM 120, Veh Logbook by authorised Australian deprocessing team personnel. The Communications systems are to be technically certified by the relevant FSR prior to Hand-off. The USG documentation is to be attached to the GI 41 Technical Inspection Report which will be classified and signed by authorised Australian personnel. This provides a traceable record of status and serviceability commencing at Hand-off.

b. Basic Issue Items (BII) or Complete Equipment Schedule (CES). BII (CES) will be issued for each vehicle and will be jointly inventoried during vehicle hand-off. The tank crews, in conjunction with the MFT-AUS, will perform the joint inventory on issue day. The inventory results will be consolidated by the MFT-AUS. Transfer of accountability and identification of shortages will be accomplished by use of an existing Australian Defence Force forms and processes.

c. Technical Manuals (TM's). TM's (-10's) will be issued with each tank on day of issue. Maintenance TM's will also be issued to the maintenance teams.

d. TPF Packages (Tools, STTE, and Repair Parts) will be issued to the Unit through the existing Australian Defence Force processes, directed by the Project Office, prior to the commencement of Deprocessing.

DEPROCESSING PERSONNEL REQUIREMENTS

GENERAL. Materiel receipt, technical inspection, repair, issue and assistance will be accomplished by the personnel listed below:

POSITION	GRADE	SPECIALTY	QUANTITY
Chief, Fielding Team	GS-13	0346	1
MFT Site Manager	GS-12	0346	1
GDLS Supply/Transportation Specialist	Contractor	NA	1
GDLS Field Service Representative (this FSR to remain in-country)	Contractor	NA	1
GDLS Deprocessing personnel	Contractor	NA	4
DRS FSR for Embedded Diagnostic / DSESTS	Contractor	NA	1
DRS FSR for II GEN FLIR	Contractor	NA	1
Honeywell FSR for AGT1500	Contractor	AGT 1500	1
BAE FSR for M88A2 (this FSR to remain in-country)	Contractor	M88A2	1
FBCB2 FSR	Contractor	NA	1
ITT FSR for SINCGARS	Contractor	NA	1
Lockheed Martin FSR	Contractor	AGTS & TDT	1 pers for two 6mth period
Team Lead	Australian		1
Supply Specialist	Australian	QM	1
Deprocessing Support Personnel	Australian	Technicians	4 to 8

DEPROCESSING FACILITIES REQUIREMENTS

The following facilities and equipment is required to be provided at the Deprocessing site:

ITEM	QUANTITY	NOTES & ADDITIONAL COMMENTS
Admin Office Space	1,200 sq ft	
Inside Supply/Storage Area	2,400 sq ft	
Desks w/Chairs	4	
File Cabinets	1	
Telephone Lines, with International capability	2	
Internet Connectivity	2	Includes e-mail accounts
Printers (220v/50Hz), Fax/Scanner	1	Access to these items located within the facility
5 Ton Cargo Truck	1	Available at 24hr notice
¾ Ton Cargo Truck	1	To be provided by Australia
6K Forklift	1	Dedicated to deprocessing, access on site
Pressure Water system/ wash rack facility	1	
Fueling Capability	1	Mobile capability with 24hr notice
Copier	1	Including replacement toner, cartridges, paper
Garbage cans, waste oil containers, spill kits, First Aid Kits and shop compressed air		
Shop space sufficient for deprocessing AIM tanks		See Note 1
Bathroom with changing facilities		
Tank Test Area		See Note 2

Note 1:

Shop space required is four (4) tank maintenance bays with access to 35 ton overhead lift capability. Also required is a secure parking area sufficient to accommodate up to 23 vehicles at the Puckapunyal and 43 vehicles at Darwin at one time. A power drop adjacent to the maintenance area for operating the DSESTS is required. Power rating requirement is 208V, 3 phase, 50 amp

Note 2.

Designate a test area capable for a tank to be driven 5 miles. A smooth hard surface is preferable. Coordinate necessary traffic control with the Military Installation Agencies. The deprocessing team will attempt to schedule road tests during times with minimal traffic. Australia is to provide CVC helmets for use when moving the vehicles. Provide road guards with vests, portable fire extinguisher, and first aid kits to support the road test, if required by local orders or directions.

POL and CONSUMABLE PRODUCTS

1. The Technical Manuals establish the requirement for specific items used throughout the maintenance process. As stock is consumed, replenishment will be requested to by the Deprocessing Team to the Australian supply system. Upon completion of deprocessing, unconsumed items will be returned to the Australian supply system. The below listed items are normally consumed during deprocessing

PRODUCT	NSN	UNIT OF ISSUE	QTY REQUIERED
Rag, Wiping	7920-00-205-1711	Bundle	2
Lens Cleaning Paper	6840-00-285-4694	Hundred	2
Clean. Compound, Lens	6850-00-227-1867	Quart	2
Lubricating Oil, OE/HDO 30	9150-00-186-6681	Quart	24
Lubricating Oil, Turbine	9150-00-985-7099	Quart	96
Alcohol (GDIII)	6810-00-201-0906	Pint	1
Loctite	8030-00-081-2338	Bottle	2
Anti-seize (can)	8030-00-597-5367	Can	2
WTR	9150-01-262-3358	Tube	48
FRH	9510-00-111-6256	Quart	24
Silicone Compound	6850-00-880-7616	Tube	4
CLP	9150-01-054-6453	Pint	4

2. Each Issue location will provide a HAZMAT point and waste collection point (wood, metal, trash)and contract removal and disposal of the material IAW Local Policies and Procedures

3. Provide sufficient fuel to top off each M1A1 AIM prior to the day of issue at each issuing location.

4. Dry sweep and brooms for Class III spills will be provided by the Australian Army/Facilities and be replenished as the supplies are consumed.

DEPROCESSING TOOL REQUIREMENTS

1. All the STTE, hand tools and support equipment required for the ongoing support and maintenance of the vehicles will have been issued to the Unit, by direction of the Project Office, and will be available for the use by the Deprocessing team at each location. This is to occur before Deprocessing and is to be in place at commencement of deprocessing. Liaison between the MFT-AUS and the Australian deprocessing personnel will ensure that these tools, STTE and support equipment is available, when required, on a day by day basis.
2. The following tools, equipment and personnel must be available at the Port to support the unloading:

Serial	Description	Qty	Remarks
1	Vehicle towbars	2	
2	Exhaust heat shields	3	
3	Mechanics toolbox	2	
4	Battery pack (REDBOX)	2	For slave starting
5	Slave cables	2	
6	MSD w/ spt kit	2	
7	Hearing protection	Set per person	
8	Safety Glasses	Set per person	
9	Protective gloves (heat)	Set per person	
10	Hardhats	1 per person	
11	External fire extinguisher	5	
12	First Aid kit	1	
13	Medical personnel	1	
14	CVC Helmets	For unloading pers	

Personnel Matrix AT Deprocessing and Fielding																	
	QTY	8/06	9/06	10/05	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07
		Puckapunyal						Darwin									
Chief Fielding team	1- USG																
Thomas Langston	1- USG		X	X	X				X	X	X						
GDLS Supply/Tpt Spc	1- CTR		X	X	X				X	X	X						
GDLS FSR	1- CTR		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GDLS Deprocessors	4- CTR		X	X	X				X	X	X						
DRS FSR DESETS	1- CTR		X	X	X				X	X	X						
DRS FSR II Gen FLIR	1- CTR		X	X	X				X	X	X						
Honeywell FSR	1- CTR		X	X	X				X	X	X						
BAE FSR	1- CTR		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FBCB2 FSR	1- CTR			X	X	X				X	X	X					
ITT FSR	1- CTR		X	X	X				X	X	X						
Lockheed Martin FSR	1- CTR	X	X	X	X	X	X		X	X	X	X	X	X	X		
Team Lead AUS	1- AUS		X	X	X			X	X	X	X						
Supply Spc AUS	1- AUS		X	X	X			X	X	X	X						
Deprocessors AUS	4/8- AUS		X	X	X				X	X	X						

Note 1: The anticipated arrival date in Melbourne, Australia is mid Sep 06

Note 2: The Deprocessing is being conducted in two Phases:

Phase 1 – Qty 18 x M1A1 AIM MBT & 5 x M88A2 HERCULES at Puckapunyal, and

Phase 2 – Qty 41 x M1A1 AIM MBT & 2 x M88A2 HERCULES at Darwin

Note 3: The schedule above is an indicative period and if Deprocessing is completed early then the Deprocessing team will return to the US

UNLOADING CHECKLIST

To be provided by Ray Williams, GDLS